



FORM PTO-1449 <u>FIFTH SUPPLEMENTAL</u> <u>INFORMATION DISCLOSURE STATEMENT</u>		ATTY. DOCKET NO. 1700.0190005/BJD/SJE	APPLICATION NO. 10/050,898
		APPLICANT RENNER et al.	
		FILING DATE January 18, 2002	GROUP 1645

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
/MH/	AN3	EP 0 259 149 B1	12/15/1993	Europe			Yes No
	AO3	EP 0 385 610 B1	03/16/1994	Europe			Yes No
	AP3	WO 94/06472 A1	03/31/1994	WIPO			X Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	81	Baba, T.W., et al., "Pathogenicity of Live, Attenuated SIV After Mucosal Infection of Neonatal Macaques," <i>Science</i> 267:1820-1825, American Association for the Advancement of Science (1995)				
	AS	81	Bachmann, M.F., et al., "Dendritic cells process exogenous viral proteins and virus-like particles for class I presentation to CD8 ⁺ cytotoxic T lymphocytes," <i>Eur. J. Immunol.</i> 26:2595-2600, VCH Verlagsgesellschaft mbH (1996)				
	AT	81	Boorsma, M., et al., "A temperature-regulated replicon-based DNA expression system," <i>Nat. Biotechnol.</i> 18:429-432, Nature America, Inc. (April 2000)				

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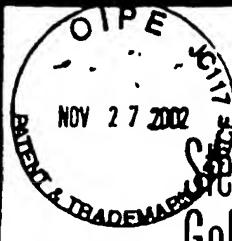
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/MH/	AL4	EP 0 465 081 B1	04/20/1994	Europe			Yes No
	AM4	EP 0 283 505 B1	07/06/1994	Europe			Yes No
	AN4	WO 94/15585 A1	07/21/1994	WIPO			Yes No
	AO4	EP 0 425 082 A1	04/26/1995	Europe			Yes No
	AP4	WO 96/05293 A1	02/22/1996	WIPO			Yes No

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	AR	<u>B2</u>	Borisova, G., et al., "Hybrid Hepatitis B Virus Nucleocapsid Bearing an Immunodominant Region from Hepatitis B Virus Surface Antigen," J. Virol. 67:3696-3701, American Society for Microbiology (1993)
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	AT	<u>B2</u>	Connor, R.I., et al., "Immunological and Virological Analyses of Persons Infected by Human Immunodeficiency Virus Type 1 while Participating in Trials of Recombinant gp120 Subunit Vaccines," J. Virol. 72:1552-1576, American Society for Microbiology (1998)

EXAMINER	/Michelle Horning/	DATE CONSIDERED
		05/24/2007

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Sterne Kessler
Goldstein Fox

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November 27, 2002

WRITER'S DIRECT NUMBER:
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Commissioner for Patents
Washington, D.C. 20231

Art Unit 1645

Re: U.S. Utility Patent Application
Appl. No. 10/050,898; Filed: January 18, 2002
For: **Molecular Antigen Array**
Inventors: Renner *et al.*
Our Ref: 1700.0190005/JAG/BJD/SJE

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Second Supplemental Information Disclosure Statement;
2. Form PTO-1449 listing the cited documents (seventy-eight (78) pages);
3. Copies of the cited documents; and
4. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents
November 27, 2002
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Brian J. Del Buono
Attorney for Applicants
Registration No. 42,473

JAG/BJD/SJE:krh

Enclosures

SKGF_DC1:79264.1



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:
RENNER *et al.*
Appl. No. 10/050,898
Filed: January 18, 2002
For: **Molecular Antigen Array**

Confirmation No. 7794
Art Unit: 1645
Examiner: *To be assigned*
Atty. Docket: 1700.0190005/JAG/BJD/SJE

Second Supplemental Information Disclosure Statement

Commissioner for Patents
Washington, D.C. 20231

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. This Information Disclosure Statement is supplemental to Information Disclosure Statements that were electronically filed on **November 20, 2002** and **November 26, 2002**. A copy of each document is also provided.

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned representative submits the following, in regards to non-English language document AT37 cited on Form PTO 1449:

Documents **AT37**, Kozlovskaya, T.M., *et al.*, "Formation of capsid-like structures as a result of the expression of a cloned envelope protein gene from RNA-containing bacteriophage fr," *Dokl. Akad. Nauk. SSSR* 287:452-455, (1986) is in the Russian language. An English language abstract is attached as Document **AR38**.

The Examiner is referred to the following related, co-pending patent applications:

U.S. Patent Application No. 09/449,631, filed November 30, 1999, inventors Renner *et al.*, submitted herewith as **AR77**;

U.S. Patent Application No. 10/050,902, filed January 18, 2002, inventors Renner *et al.*, submitted herewith as **AS77**.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the

effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered. This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.

Consideration of the cited documents and making the same of record in the prosecution of the above-identified application is respectfully requested. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Brian J. Del Buono
Attorney for Applicants
Registration No. 42,473

Date: Nov. 27, 2002

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FOREIGN PATENT DOCUMENTS

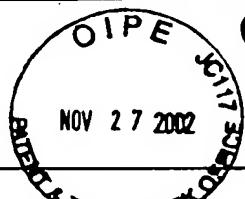
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	AN4	WO 94/15585 A1	07/21/1994	WIPO			Yes No
	AO4	EP 0 425 082 A1	04/26/1995	Europe			Yes No
	AP4	WO 96/05293 A1	02/22/1996	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	82	Borisova, G., et al., "Hybrid Hepatitis B Virus Nucleocapsid Bearing an Immunodominant Region from Hepatitis B Virus Surface Antigen," <i>J. Virol.</i> 67:3696-3701, American Society for Microbiology (1993)
	AS	82	Cesareni, G., "Peptide display on filamentous phage capsids: A new powerful tool to study protein-ligand interaction," <i>FEBS Lett.</i> 307:66-70, Elsevier Science Publishers B.V. (1992)
↓	AT	82	Connor, R.I., et al., "Immunological and Virological Analyses of Persons Infected by Human Immunodeficiency Virus Type 1 while Participating in Trials of Recombinant gp120 Subunit Vaccines," <i>J. Virol.</i> 72:1552-1576, American Society for Microbiology (1998)

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		ATTY. DOCKET NO. 1700.0190005/JAG/BJD/SJE	APPLICATION NO. 10/050,598
		APPLICANT RENNER et al.	
<u>SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u>		FILING DATE January 18, 2002	GROUP 1645

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
/MH/	AL1	WI 92.11291 A1	07.09.1992	WIPO			Yes No
	AM1	WI 96.30523 A2	10.03.1996	WIPO			Yes No
	AN1	WI 97.31948 A1	09.04.1997	WIPO			Yes No
	AO1	WI 98.15631 A1	04.16.1998	WIPO			Yes No
	AP1	WI 00.32227 A2	06.08.2000	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AF	1	Abraham, J.M., et al., "An invertible element of DNA controls phase variation of type 1 fimbriae of <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 82:5724-5727, National Academy Press (1985)
	AS	1	Abraham, S.N., et al., "Glycerol-Induced Unraveling of the Tight Helical Conformation of <i>Escherichia coli</i> Type 1 Fimbriae," <i>J. Bacteriol.</i> 174:5145-5148, American Society for Microbiology (1992)
	AT	1	Adhin, M.R., et al., "Nucleotide Sequence from the ssRNA Bacteriophage JP34 Resolves the Discrepancy between Serological and Biophysical Classification," <i>Virology</i> 170:238-242, Academic Press, Inc. (1989)

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			APPLICANT PENNER et al.				
			FILING DATE January 18, 2002		GROUP 16-15		
U.S. PATENT DOCUMENTS							
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/MH/	AI2	WO 00/59928 A1	10/12/2000	WIPO			Yes No
	AM2	WO 00/33955 A1	04/27/2000	WIPO			Yes No
	AN2	WO 01/62284 A2	08/30/2001	WIPO			Yes No
	AO2	WO 01/85208 A2	11/15/2001	WIPO			Yes No
	AP						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	2	Aguzzi, A., "Prion diseases, blood and the immune system: concerns and reality," <i>Haematologica</i> 85:3-10, Il Pensiero Scientifico Editore (January 2000)				
	AS	2	Ansel, K.M., et al., "In Vivo-activated CD4 T Cells Upregulate CXC Chemokine Receptor 5 and Reprogram Their Response to Lymphoid Chemokines," <i>J. Exp. Med.</i> 190:1123-1134, The Rockefeller University Press (1999)				
	AT	2	Ansel, K.M., et al., "A chemokine-driven positive feedback loop organizes lymphoid follicles," <i>Nature</i> 406:309-314, Nature Publishing Group (July 2000)				
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AP							Yes No

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/MH/	AF	3	Antonyamy, M.A., et al., "Evidence for a Role of IL-17 in Organ Allograft Rejection: IL-17 Promotes the Functional Differentiation of Dendritic Cell Progenitors," <i>J. Immunol.</i> 162:577-584, The American Association of Immunologists (1999)
	AS	3	Arenberg, D.A., et al., "The murine CC chemokine, 6C-kine, inhibits tumor growth and angiogenesis in a human lung cancer SCID mouse model," <i>Cancer Immunol. Immunother.</i> 49:587-592, Springer-Verlag (January 2001)
	AT	3	Arnon, R., et al., "A mimotope peptide-based vaccine against <i>Schistosoma mansoni</i> : synthesis and characterization," <i>Immunology</i> 101:555-562, Blackwell Science, Ltd. (December 2000)

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/MH/	AR	4	Bachmann, M.F., and Zinkernagel, R.M., "The influence of virus structure on antibody responses and virus serotype formation," <i>Immunol. Today</i> 17:553-558, Elsevier Science, Ltd. (1996)
/MH/	AS	4	Bachmann, M.F., and Zinkernagel, R.M., "Neutralizing Antiviral B Cell Responses," <i>Annu. Rev. Immunol.</i> 15:235-270, Annual Reviews, Inc. (1997)
/MH/	AT	4	Bachmann, M.F., et al., "TRANCE, a Tumor Necrosis Factor Family Member Critical for CD40 Ligand-independent T Helper Cell Activation," <i>J. Exp. Med.</i> 189:1025-1031, The Rockefeller University Press (1999)

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/MH/	AR	5	Banerjee, R.R., and Lazar, M.A., "Dimerization of Resistin and Resistin-like Molecules Is Determined by a Single Cysteine," J. Biol. Chem. 276:25970-25973, The American Society for Biochemistry and Molecular Biology, Inc. (July 2001)				
/MH/	AS	5	Bard, F. et al., "Peripherally administered antibodies against amyloid β -peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," Nat. Med. 6:916-919, Nature Publishing Company (August 2000)				
/MH/	AT	5	Bass, S., and Yang, M., "Expressing cloned genes in Escherichia coli," in Protein Function: A Practical Approach, 2nd ed., Creighton, T.E., ed., IRL Press, Oxford, Great Britain, pp. 29-55 (1997)				
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/MH/	AF	5	Bernhagen, J., et al., "Purification, Bioactivity, and Secondary Structure Analysis of Mouse and Human Macrophage Migration Inhibitory Factor (MIF)," <i>Biochemistry</i> 33:14144-14155, American Chemical Society (1994)
/MH/	AS	5	Biaselle, C.J., and Millar, D.B., "Studies on Triton X-100 detergent micelles," <i>Biophys. Chem.</i> 3:355-361, North-Holland Publishing Company (1975)
/MH/	AT	5	Bleul, C.C., et al., "The lymphocyte chemoattractant SDF-1 is a ligand for LESTR/fusin and blocks HIV-1 entry," <i>Nature</i> 332:829-833, Nature Publishing Group (1996)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AR	7	Blomfield, I.C., et al., "Type 1 Fimbriation and fimE Mutants of <i>Escherichia coli</i> K-12," <i>J. Bacteriol.</i> 173:5298-5307, American Society for Microbiology (1991)
/MH/	AS	7	Blomfield, I.C., et al., "Integration host factor stimulates both FimB- and FimE-mediated site-specific DNA inversion that controls phase variation of type 1 fimbriae expression in <i>Escherichia coli</i> ," <i>Mol. Microbiol.</i> 23:705-717, Blackwell Science, Ltd. (1997)
/MH/	AT	7	Boder, E.T., and Wittrup, K.D., "Yeast Surface Display for Directed Evolution of Protein Expression, Affinity, and Stability," <i>Methods Enzymol.</i> 328:430-444, Academic Press (October 2000)

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FORM PTO-1449 <u>SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u>		ATTY. DOCKET NO. 1700.0190005/JAG/BJD/SJE		APPLICATION NO. 10/050,898	
		APPLICANT RENNER et al.			
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/MH/	AR	8	Bonci, A., et al., "Relatedness and Phylogeny Within the Family of Periplasmic Chaperones Involved in the Assembly of Pili or Capsule-Like Structures of Gram-Negative Bacteria," <i>J. Mol. Evol.</i> 14:299-309, Springer-Verlag (1997)
/MH/	AS	8	Brandner, S., et al., "A crucial role for B cells in neuroinvasive scrapie," <i>Transfus. Clin. Biol.</i> 6:17-23, Elsevier, Paris (1999)
/MH/	AT	8	Brinton, Jr., C.C., "The structure, function, synthesis and genetic control of bacterial pili and a molecular model for DNA and RNA transport in gram negative bacteria," <i>Trans. N.Y. Acad. Sci.</i> 27:1003-1054, New York Academy of Sciences (1965)

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		APPLICANT RENNER et al.	
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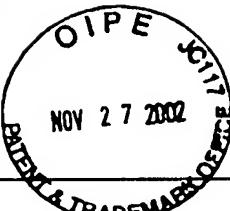
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/MH/	AS	9	Brown, P.M., et al., "A Single-Step Purification of Biologically Active Recombinant Human Interleukin-5 from a Baculovirus Expression System," <i>Protein Expr. Purif.</i> 6:63-71, Academic Press, Inc. (1995)
/MH/	AT	9	Brown, K.L., et al., "Scrapie replication in lymphoid tissues depends on prion protein-expressing follicular dendritic cells," <i>Nat. Med.</i> 11:1308-1312, Nature Publishing Company (1999)

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/MH/	AF	<u>10</u>	Bullitt, E., et al., "Development of pilus organelle subassemblies in vitro depends on chaperone uncapping of a beta zipper," Proc. Natl. Acad. Sci. USA 93:12890-12895, National Academy Press (1996)				
/MH/	AS	<u>10</u>	Bullitt, E., and Makowski, L., "Bacterial Adhesion Pili Are Heterologous Assemblies of Similar Subunits," Biophys. J. 74:623-632, Biophysical Society (1998)				
/MH/	AT	<u>10</u>	Burger, J.A., et al., "Blood-derived nurse-like cells protect chronic lymphocytic leukemia B cells from spontaneous apoptosis through stromal cell-derived factor-1," Blood 96:2655-2663, The American Society of Hematology (October 2000)				
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/MH/	AF.	<u>11</u>	Burghoff, R.L., et al., "Utilization of the Mouse Large Intestine To Select an <i>Escherichia coli</i> F-18 DNA Sequence That Enhances Colonizing Ability and Stimulates Synthesis of Type 1 Fimbriae," <i>Infect. Immun.</i> 61:1293-1300, American Society for Microbiology (1993)
/MH/	AS	<u>11</u>	Cannon-Carlson S., et al., "Expression, Purification, and Characterization of Recombinant Human Interleukin-13 from NS-O Cells," <i>Protein Expr. Purif.</i> 12:239-248, Academic Press (1998)
/MH/	AT	<u>11</u>	Chabaud, M., et al., "Enhancing Effect of IL-17 on IL-1-Induced IL-6 and Leukemia Inhibitory Factor Production by Rheumatoid Arthritis Synoviocytes and Its Regulation by Th2 Cytokines," <i>J. Immunol.</i> 161: 409-414, The American Association of Immunologists (1998)

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/MH/	AF	<u>12</u>	Chabaud, M., et al., "Human Interleukin-17. A T Cell-Derived Proinflammatory Cytokine Produced by the Rheumatoid Synovium," <i>Arthritis Rheum.</i> 42:963-970, Wiley-Liss, Inc. (1999)
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/MH/	AT	<u>12</u>	Clark, H.F., et al., "Comparative Characterization of a C-Type Virus-Producing Cell Line (VSV) and a Virus-Free Cell Line (VH2) From <i>Vipera russelli</i> ," <i>J. Natl. Cancer Inst.</i> 51:645-657, Oxford University Press (1973)

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/MH/	AT	<u>13</u>	Chen, C., and Parry D.A.D., "α-Helical coiled coils-a widespread motif in proteins," <i>Trends Biochem. Sci.</i> 11:245-248, Elsevier Science Publishers B.V. (1986)

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/MH/	AR	14	Corti, M., et al., "GM1-ganglioside-Triton X-100 mixed micelles: changes of micellar properties studied by laser-light scattering and enzymatic methods," <i>Chem. Phys. Lipids</i> 28:197-214, Elsevier/North-Holland Scientific Publishers, Ltd. (1981)
/MH/	AS	14	Coustelier, J.-P., et al., "IgG2a Restriction of murine antibodies elicited by viral infections," <i>J. Exp. Med.</i> 165:64-69, The Rockefeller University Press (1987)
/MH/	AT	14	Crump, M.P., et al., "Solution Structure of Eotaxin, a Chemokine That Selectively Recruits Eosinophils in Allergic Inflammation," <i>J. Biol. Chem.</i> 273:22471-22479, The American Society for Biochemistry and Molecular Biology, Inc. (1998)

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/MH/	AR	15	Davis, N.L., et al., "In Vitro Synthesis of Infectious Venezuelan Equine Encephalitis Virus RNA from a cDNA Clone: Analysis of a Viable Deletion Mutant," <i>Virology</i> 171:189-204, Academic Press (1989)
/MH/	AS	15	Daugherty, P.S., et al., "Development of an optimized expression system for the screening of antibody libraries displayed on the <i>Escherichia coli</i> surface," <i>Protein Eng.</i> 12:613-621, Oxford University Press (1999)
/MH/	AT	15	Dealwis, C., et al., "Crystal structure of chemically synthesized (N33A) stromal cell-derived factor 1α, a potent ligand for the HIV-1 "fusin" coreceptor," <i>Proc. Natl. Acad. Sci. USA</i> 95:6941-6946, National Academy Science (June 2001)

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INFORMATION DISCLOSURE STATEMENT

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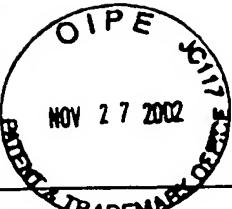
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/MH/	AR	<u>16</u>	Dodson, K.W., et al., "Outer-membrane PapC molecular usher discriminately recognizes periplasmic chaperone-pilus subunit complexes," Proc. Natl. Acad. Sci. USA 90:3670-3674, National Academy Press (1993)
/MH/	AS	<u>12</u>	Fudler, J., et al., "Effect of interleukin 17 on proteoglycan degradation in murine knee joints," Ann. Rheum. Dis. 59:529-532, Bmj Publishing Group (July 2000)
/MH/	AT	<u>15</u>	Eckhardt, S.G., et al., "Hepatitis B Virus Core Antigen Has Two Nuclear Localization Sequences in the Arginine-Rich Carboxyl Terminus," J. Virol. 65:575-582, American Society for Microbiology (1991)

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/MH/	AF.	<u>17</u>	Eisenmesser, E.Z., et al., "Expression, Purification, Refolding, and Characterization of Recombinant Human Interleukin-13: Utilization of Intracellular Processing," <i>Protein Expr. Purif.</i> 20:186-195, Academic Press (November 2000)
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/MH/	AT	<u>17</u>	Eisenstein, B.I., "Phase Variation of Type 1 Fimbriae in <i>Escherichia coli</i> Is Under Transcriptional Control," <i>Science</i> 214:337-339, American Association for the Advancement of Science (1981)

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		AFFILIANT RENNER et al.	
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/MH/	AS	<u>13</u>	Eshdat, Y., et al., "Dissociation and Reassembly of <i>Escherichia coli</i> Type 1 Pili," <i>J. Bacteriol.</i> 148:308-314, American Society for Microbiology (1981)
/MH/	AT	<u>18</u>	Ettinger, R., et al., "A Critical Role for Lymphotoxin-β Receptor in the Development of Diabetes in Nonobese Diabetic Mice," <i>J. Exp. Med.</i> 193:1333-1339, The Rockefeller University Press (June 2001)

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		APPLICANT RENNER et al.	
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/MH/	AF	<u>20</u>	Forssmann, U., et al., "Eotaxin-2, a Novel CC Chemokine that Is Selective for the Chemokine Receptor CCR3, and Acts Like Eotaxin on Human Eosinophil and Basophil Leukocytes," J. Exp. Med. 185:2171-2176, The Rockefeller University Press (1997)
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
AL							Yes No
AM							Yes No
AN							Yes No
AO							Yes No
AP							Yes No

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/MH/	AF	21	Fujiwara, K., et al., "Novel preparation method of immunogen for hydrophobic hapten, enzyme immunoassay for daunomycin and adriamycin," <i>J. Immunol. Methods</i> 45:195-203, Elsevier/North-Holland Biomedical Press (1981)
/MH/	AS	21	Gally, D.L., et al., "Environmental Regulation of the fim Switch Controlling Type 1 Fimbrial Phase Variation in <i>Escherichia coli</i> K-12: Effects of Temperature and Media," <i>J. Bacteriol.</i> 175:6186-6193, American Society for Microbiology (1993)
/MH/	AT	21	Gally, D. L., et al., "Interaction of FimB and FimE with the fim switch that controls the phase variation of type 1 fimbriate in <i>Escherichia coli</i> K-12," <i>Mol. Microbiol.</i> 21:725-738, Blackwell Science, Ltd. (1996)

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FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 1700.0190005/JAG/BJD/SJE	APPLICATION NO. 10/050,898
		APPLICANT RENNER et al.	
		FILING DATE January 16, 2002	GFCUP 1645

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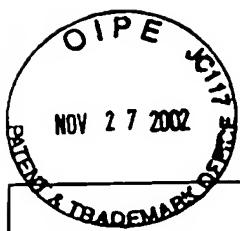
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	AN						Yes No
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/MH/	AR	<u>21</u>	Gherardi, E. et al., "A single-step procedure for cloning and selection of antibody-secreting hybridomas," <i>J. Immunol. Methods</i> 126: 51-68, Elsevier (1990)
/MH/	AS	<u>22</u>	Golmohammadi, R., et al., "The crystal structure of bacteriophage Q β at 3.5 \AA resolution," <i>Structure</i> 4:543-554, Current Biology, Ltd. (1995)
/MH/	AT	<u>22</u>	Gunn, M.D., et al., "A B-cell-homing chemokine made in lymphoid follicles activates Burkitt's lymphoma receptor-1," <i>Nature</i> 391:799-803, Nature Publishing Group (1998)

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		APPLICANT RENNER et al.	
		FILING DATE January 18, 2002	GROUP 1645

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	AN						Yes No
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/MH/	AR	<u>23</u>	Hanes, J., et al., "Picomolar affinity antibodies from a fully synthetic naive library selected and evolved by ribosome display," Nat. Biotechnol. 18:1287-1292, Nature Publishing Company (December 2000)
/MH/	AS	<u>23</u>	Hanson, M.S., et al., "Purification of the Escherichia coli Type 1 Pilin and Minor Pilus Proteins and Partial Characterization of the Adhesin Protein," J. Bacteriol. 170:3350-3358, American Society for Microbiology (1988)
/MH/	AT	<u>23</u>	Hanson, M.S., and Brinton, Jr., C.C., "Identification and characterization of E. coli type-1 pilus tip adhesion protein," Nature 332:265-268, Nature Publishing Group (1988)

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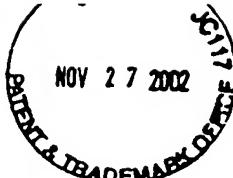
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/MH/	AK	<u>24</u>	Harrison, J.L., et al., "Screening of Phage Antibody Libraries," <i>Methods Enzymol.</i> 267:83-109, Macmillan Publishers, Ltd. (1996)
/MH/	AS	<u>24</u>	Haslam, D.B., et al., "The amino-terminal domain of the P-pilus adhesin determines receptor specificity," <i>Mol. Microbiol.</i> 14:399-409, Blackwell Scientific Publications (1994)
/MH/	AT	<u>24</u>	Hedrick, J.A., and Zlotnik, A., "Identification and Characterization of a Novel β Chemokine Containing Six Conserved Cysteines," <i>J. Immunol.</i> 159: 1589-1593, The American Association of Immunologists (1997)

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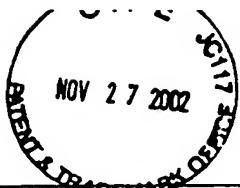
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/MH/	AF	25	Heveker, N., et al., Dissociation of the signalling and antiviral properties of SCF-1-derived small peptides," Curr. Biol. 8:369-376, Current Biology, Ltd. (1998)
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/MH/	AT	25	Holmes, W.D., et al., "Solution Studies of Recombinant Human Stromal-Cell-Derived Factor-1," Prot. Expr. Purif. 21:367-377, Academic Press (April 2001)

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	AN						Yes No
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/MH/	AR	<u>25</u>	Holmgren, A., et al., "Conserved immunoglobulin-like features in a family of periplasmic pilus chaperones in bacteria," <i>EMBO J.</i> 11:1617-1622, Oxford University Press (1992)
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/MH/	AT	<u>26</u>	Hultgren, S.J., et al., "The PapG adhesin of uropathogenic <i>Escherichia coli</i> contains separate regions for receptor binding and for the incorporation into the pilus," <i>Proc. Nat. Acad. Sci. USA</i> 86:4357-4361, National Academy Press (1989)

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/MH/	AR	<u>27</u>	Hultgren, S.J., et al., "PapD and superfamily of periplasmic immunoglobulin-like pilus chaperones," <i>Adv. Prot. Chem.</i> 44:99-123, Academic Press, Inc. (1993)
/MH/	AS	<u>27</u>	Hultgren, S.J., et al., "Pilus and Nonpilus Bacterial Adhesins: Assembly and Function in Cell Recognition," <i>Cell</i> 73:687-901, Cell Press (1993)
/MH/	AT	<u>27</u>	Hultgren, S.J., et al., "Bacterial Adhesins and Their Assembly," in <i>Escherichia coli and Salmonella</i> , Neidhardt, F.C., et al., eds., ASM Press, Washington, D.C. pp. 2730-2756 (1996)

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AR	<u>28</u>	Humbles, A.A., et al., "Kinetics of Eotaxin Generation and Its Relationship to Eosinophil Accumulation in Allergic Airways Disease: Analysis in a Guinea Pig Model In Vivo," <i>J. Exp. Med.</i> 186:601-612, The Rockefeller University Press (1997)
/MH/	AS	<u>28</u>	Hung, D.L., et al., "Molecular basis of two subfamilies of immunoglobulin-like chaperones," <i>EMBO J.</i> 15:3792-3805, Oxford University Press (1996)
/MH/	AT	<u>28</u>	Hung, D.L. and Hultgren, S.J., "Pilus Biogenesis via the Chaperone/Usher Pathway: An Integration of Structure and Function," <i>J. Struct. Biol.</i> 124:201-220, Academic Press (1998)

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		APPLICANT RENNER et al.	
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AF	<u>29</u>	Ikeda, T., et al., "Determination of Three Isoforms of the Receptor Activator of Nuclear Factor- κ B Ligand and Their Differential Expression in Bone and Thymus," <i>Endocrinology</i> 142:1419-1426, The Endocrine Society (April 2001)
/MH/	AS	<u>23</u>	Ingle E., et al., "Production and purification of recombinant human interleukin-5 from yeast and baculovirus expression systems," <i>Eur. J. Biochem.</i> 196:623-629, Blackwell Science, Ltd. (1991)
/MH/	AT	<u>29</u>	Jacob-Dubuisson, F., et al., "PapD chaperone function in pilus biogenesis depends on oxidant and chaperone-like activities of DsbA," <i>Proc. Natl. Acad. Sci. USA</i> 91:11552-11556, National Academy Press (1994)

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AF	<u>30</u>	Jacob-Dubuisson, F., et al., "Initiation of assembly and association of the structural elements of a bacterial pilus depend on two specialized tip proteins," <i>EMBO J.</i> 12:837-847, Oxford University Press (1993)
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/MH/	AT	<u>30</u>	Jiang, X., et al., "Norwalk Virus Genome Cloning and Characterization," <i>Science</i> 250:1580-1583, American Association for the Advancement of Science (1990)

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/MH/	AF	<u>31</u>	Jones, C.H., et al., "FimC is a periplasmic PapD-like chaperone that directs assembly of type 1 pili in bacteria," Proc. Natl. Acad. Sci. USA 90:8397-8401, National Academy Press (1993)
/MH/	AS	<u>31</u>	Jones, C.H., et al., "FimH adhesin of type 1 pili is assembled into a fibrillar tip structure in the Enterobacteriaceae," Proc. Natl. Acad. Sci. USA 92:2081-2085, National Academy Press (1995)
/MH/	AT	<u>31</u>	Josien, R., et al., "TRANCE, a Tumor Necrosis Factor Family Member, Enhances the Longevity and Adjuvant Properties of Dendritic Cells In Vivo," J. Exp. Med. 191: 495-501, The Rockefeller University Press (February 2000)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
/MH/	AR	<u>32</u>	Jovanovic, D.V., et al., "IL-17 Stimulates the Production and Expression of Proinflammatory Cytokines, IL- β and TNF- α , by Human Macrophages," <i>J. Immunol.</i> 160:3513-3521, The American Association of Immunologists (1998)				
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/MH/	AT	<u>32</u>	Kastelein, R.A. et al., "Effect of the sequence upstream from the ribosome-binding site on the yield of protein from the cloned gene for phage MS2 coat protein," <i>Gene</i> 23:245-254, Elsevier (1993)				
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/MH/	AP	33	Kim, K.J., et al., "Inhibition of vascular endothelial growth factor-induced angiogenesis suppresses tumour growth <i>in vivo</i> ," <i>Nature</i> 362:841-844, Nature Publishing Group (1993)				
/MH/	AS	33	Kim, K.-H., et al., "A Cysteine-rich Adipose Tissue-specific Secretory Factor Inhibits Adipocyte Differentiation," <i>J. Biol. Chem.</i> 276:11252-11256, The American Society for Biochemistry and Molecular Biology, Inc. (April 2001)				
/MH/	AT	33	Eglemm, P., "The <i>fimA</i> gene encoding the type-I fimbrial subunit of <i>Escherichia coli</i> . Nucleotide sequence and primary structure of the protein," <i>Euro. J. Biochem.</i> 143:395-399, Blackwell Science, Ltd. (1984)				
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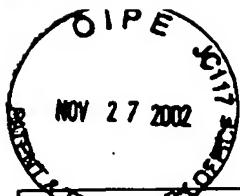
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	AN						Yes No
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/MH/	AR	<u>34</u>	Klemm, P., and Christiansen, G., "Three fim genes required for the regulation of length and mediation of adhesion of <i>Escherichia coli</i> type 1 fimbriae," <i>Mol. Gen. Genet.</i> 208:439-445, Springer-Verlag (1987)
/MH/	AS	<u>34</u>	Klemm, P., et al., "The major subunit of <i>Escherichia coli</i> type 1 fimbriate is not required for D-mannose-specific adhesion," <i>Mol. Microbiol.</i> 4:553-559, Blackwell Scientific Publications (1990)
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FORM PTC-1449 SECOND SUPPLEMENTAL <u>INFORMATION DISCLOSURE STATEMENT</u>		ATTY. DOCKET NO. 1700.0190005/JAG/BJD/SJE	APPLICATION NO. 10/050,898
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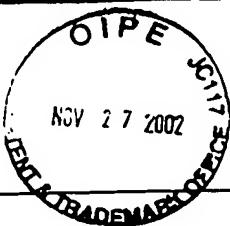
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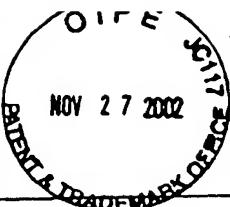
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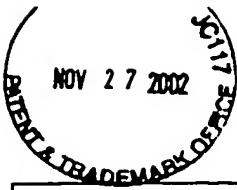
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RENNER et al.

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	AM						Yes No
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	AO						Yes No
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/MH/	AF	41	Liljeström, P., and Garoff, H., "A new generation of animal cell expression vectors based on the semliki forest virus replicon," <i>Bio-technology</i> 9:1356-1361, Nature Publishing Company (1991)
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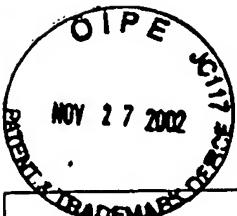
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	AM						Yes No
	AN						Yes No
	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
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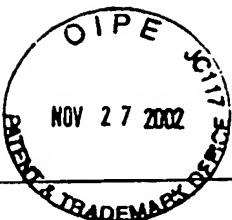
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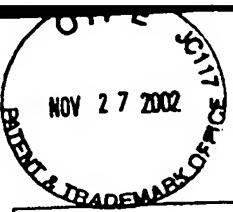
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/MH/	AS	47	McClain, M.S., et al., "Roles of <i>fimB</i> and <i>fimE</i> in Site-Specific DNA Inversion Associated with Phase Variation of Type 1 Fimbriae in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 173:5308-5314, American Society for Microbiology (1991)
/MH/	AT	47	McPherson, P.S., "Regulatory Role of SH3 Domain-mediated Protein-Protein Interactions in Synaptic Vesicle Endocytosis," <i>Cell Signal</i> 11:229-238, Elsevier Science, Inc. (1999)

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FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 1700.0190005/JAG/BJD/SJE	APPLICATION NO. 10/050,893
		APPLICANT RENNER et al.	
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
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/MH/	AR	48	Mikulowska, A., et al., "Macrophage Migration Inhibitory Factor Is Involved in the Pathogenesis of Collagen Type II-Induced Arthritis in Mice," <i>J. Immunol.</i> 158:5514-5517, The American Association of Immunologists (1997)
/MH/	AS	48	Millauer, B., et al., "Glioblastoma growth inhibited in vivo by a dominant-negative Flk-1 mutant," <i>Nature</i> 367:576-579, Nature Publishing Group (1994)
/MH/	AT	48	Min, H., et al., "Osteoprotegerin Reverses Osteoporosis by Inhibiting Endosteal Osteoclasts and Prevents Vascular Calcification by Blocking a Process Resembling Osteoclastogenesis," <i>J. Exp. Med.</i> 192:463-474, The Rockefeller University Press (August 2000)

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/MH/	AR	<u>49</u>	Mitchell, D.L., et al., "Purification and characterization of recombinant murine interleukin-5 glycoprotein, from a Baculovirus expression system," <i>Biochem. Soc. Trans.</i> 21:332S, Portland Press (1993)
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/MH/	AT	<u>49</u>	Morein, B., et al., "Iscom, a novel structure for antigenic presentation of membrane proteins from enveloped viruses," <i>Nature</i> 308:457-460, Nature Publishing Group (1984)

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/MH/	AR	<u>50</u>	Moriya, C., et al., "Large quantity production with extreme convenience of human SDF-1 α and SDF-1 β by a Sendai virus vector," FEBS Lett. 425:105-111, Amsterdam Elsevier Science B.V. (1998)
/MH/	AS	<u>50</u>	Müller, A., et al., "Involvement of chemokine receptors in breast cancer metastasis," Nature 410:50-56, Nature Publishing Group (March 2001)
/MH/	AT	<u>50</u>	Murphy, K.P. Jr., et al., "Expression of Human Interleukin-17 in <i>Pichia pastoris</i> : Purification and Characterization," Protein Expr. Purif. 12:208-214, Academic Press (1998)

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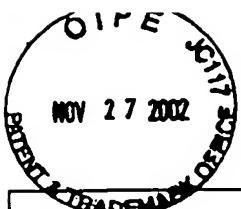
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/MH/	AT	51	Naureckiene, S., and Uhlin., B.E., "In vitro analysis of mRNA processing by RNase E in the pap operon of <i>Escherichia coli</i> ," <i>Mol. Microbiol.</i> 21:55-68, Blackwell Science, Ltd. (1996)

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/MH/	AS	<u>52</u>	Newman, J.V., et al., "Stimulation of <i>Escherichia coli</i> F-18Col Type-1 fimbriae synthesis by leuX," <i>FEMS Microbiol. Lett.</i> 122:281-287, Elsevier (1994)
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	AM						Yes No
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/MH/	AS	<u>53</u>	Oberlin, E., et al., "The CXC chemokine SDF-1 is the ligand for LESTR/fusin and prevents infection by T-cell-line-adapted HIV-1," <i>Nature</i> 382:833-835, Nature Publishing Group (1996)
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/MH/	AF	<u>51</u>	Olszewska, W., et al., "Protection against Measles Virus-Induced Encephalitis by Anti-mimotope Antibodies: The Role of Antibody Affinity," <i>Virology</i> 272:98-105, Academic Press (June 2000)
/MH/	AS	<u>54</u>	Orndorff, P.E., and Falkow, S., "Identification and Characterization of a Gene Product That Regulates Type 1 Filiation in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 160:61-66, American Society for Microbiology (1984)
/MH/	AT	<u>54</u>	Orndorff, P.E., and Falkow, S., "Nucleotide Sequence of <i>pilA</i> , the Gene Encoding the Structural Component of Type 1 Pili in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 162:454-457, American Society for Microbiology (1985)

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/MH/	AF	<u>55</u>	O'Shea, E.K., et al., "Evidence That the Leucine Zipper Is a Coiled Coil," Science 243:538-542, American Association for the Advancement of Science (1989)
/MH/	AS	<u>55</u>	O'Shea, E.K., et al., "Mechanism of Specificity in the Fos-Jun Oncoprotein Heterodimer," Cell 68:699-708, Cell Press (1992)
/MH/	AT	<u>55</u>	Pandit, J., et al., "Three-dimensional Structure of Dimeric Human Recombinant Macrophage Colony-Stimulating Factor," Science 256:1358-1362, American Association for the Advancement of Science (1992)

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ATTY. DOCKET NO.
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	AO						Yes No
	AP						Yes No

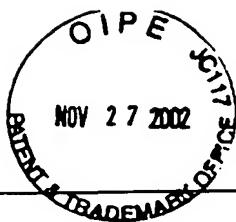
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/MH/	AR	<u>56</u>	Pierrot, C., et al., "Expression of Rat Interleukin-5 and Generation of Neutralizing Antiserum: a Comparative Study of Rat IL-5 Produced in Escherichia coli and Insect Cells," <i>Biochem. Biophys. Res. Commun.</i> 253:756-760, Academic Press (1998)
/MH/	AS	<u>56</u>	Pierson-Mullany, L.K., et al. "Characterization of polyclonal allergen-specific IgE responses by affinity distributions," <i>Mol. Immunol.</i> 37:613-620, Elsevier Science, Ltd. (August 2000)
/MH/	AT	<u>56</u>	Piossek, C., et al., "Vascular Endothelial Growth Factor (VEGF) Receptor II-derived Peptides Inhibit VEGF," <i>J. Biol. Chem.</i> 274:5612-5619, The American Society for Biochemistry and Molecular Biology, Inc. (1999)

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	AM						Yes No
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/MH/	AF	57	Presta, L.G., et al., "Humanization of an Anti-Vascular Endothelial Growth Factor Monoclonal Antibody for the Therapy of Solid Tumors and Other Disorders," <i>Cancer Res.</i> 57:4593-4599, The American Association for Cancer Research (1997)
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/MH/	AT	57	Proudfoot, A.E.I., et al., "Preparation and characterization of human interleukin-5 expressed in recombinant <i>Escherichia coli</i> ," <i>Biochem. J.</i> 270:357-361, Portland Press, Ltd. (1990)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AP	61	Russell, P.W., and Orndorff, P.E., "Lesions in Two <i>Escherichia coli</i> Type 1 Pilus Genes Alter Pilus Number and Length without Affecting Receptor Binding," <i>J. Bacteriol.</i> 174:5923-5935, American Society for Microbiology (1992)
/MH/	AS	61	Santos, L., et al., "Role of macrophage migration inhibitory factor (MIF) in murine antigen-induced arthritis: interaction with glucocorticoids," <i>Clin. Exp. Immunol.</i> 123:309-314, Blackwell Science (February 2001)
/MH/	AT	61	Saulino, E.T., et al., "Ramifications of kinetic partitioning on usher-mediated pilus biogenesis," <i>EMBO J.</i> 17:2177-2185, Oxford University Press (1998)

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FORM PTO-1449 SECOND SUPPLEMENTAL <u>INFORMATION DISCLOSURE STATEMENT</u>		ATTY. DOCKET NO. 1700.D190005/JAG/BJD/SJE	APPLICATION NO. 10/050,898
		APPLICANT RENNER et al.	
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AR	<u>62</u>	Schenk, D., et al., "Immunization with amyloid- β attenuates Alzheimer-disease-like pathology in the PDAPP mouse," <i>Nature</i> 400:173-177, Nature Publishing Group (1999)
/MH/	AS	<u>62</u>	Schlesinger, S., "Alphaviruses - vectors for the expression of heterologous genes," <i>Trends Biotechnol.</i> 11:18-22, Elsevier Science Publishers, Ltd. (1993)
/MH/	AT	<u>62</u>	Selkoe, D.J., "Translating cell biology into therapeutic advances in Alzheimer's disease," <i>Nature</i> 399:A23-A31, Nature Publishing Group (1999)

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FORM PTC-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 1700.0190005/JAG/BJD/SJE	APPLICATION NO. 10/050,898
		APPLICANT RENNEK, et al.	
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	AM						Yes No
	AN						Yes No
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/MH/	AS	<u>63</u>	Smyth, C.J., et al., "Fimbrial adhesins: similarities and variations in structure and biogenesis," <i>FEMS Immun. Med. Microbiol.</i> 16:127-139, Elsevier (1996)
/MH/	AT	<u>63</u>	Soto, H., et al., "The CC chemokine 6CKine binds the CXC chemokine receptor CXCR3," <i>Proc. Natl. Acad. Sci. USA</i> 95:8205-8210, National Academy Press (1998)

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		APPLICANT RENNER et al.	
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	AM						Yes No
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	AO						Yes No
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/MH/	AF	64	Soto, G.E., et al., "Periplasmic chaperone recognition motif of subunits mediates quaternary interactions in the pilus," EMBO J. 17:6155-6167, Oxford University Press (1998)
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	AM						Yes No
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/MH/	AF	65	Stollar, V., "Togaviruses in Cultured Arthropod Cells," in <i>The Togaviruses. Biology, Structure, Replication</i> , Schlesinger, R.W., ed., Academic Press, Inc. New York, N.Y., pp.583-621 (1980)
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FORM PTO-1449 SECOND SUPPLEMENTAL <u>INFORMATION DISCLOSURE STATEMENT</u>			ATTY. DOCKET NO. 1700.0190005/JAG/BJD/SJE		APPLICATION NO. 10/050,898		
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
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/MH/	AF	<u>66</u>	Sturchler-Pierrat, C., et al., "Two amyloid precursor protein transgenic mouse models with Alzheimer disease-like pathology," Proc. Natl. Acad. Sci. USA 94:13287-13292, National Academy Press (1997)				
/MH/	AS	<u>66</u>	Sun, H.-W., et al., "Crystal structure at the 2.6-Å resolution of human macrophage migration inhibitory factor," Proc. Natl. Acad. Sci. USA 93:5191-5196, National Academy Press (1996)				
/MH/	AT	<u>66</u>	Tang, J.-L., et al., "Interleukin-17 antagonism inhibits acute but not chronic vascular rejection," Transplantation 72:348-350, Lippincott Williams & Wilkins (July 2001)				
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FORM PTC-1449 <u>SECOND SUPPLEMENTAL</u> <u>INFORMATION DISCLOSURE STATEMENT</u>		ATTY. DOCKET NO. 17CO.0190005/JAS/BJD/SJE	APPLICATION NO. 10/050,898
		APPLICANT RENNER et al.	
		FILING DATE January 18, 2002	GROUP 1645

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	AM						Yes No
	AN						Yes No
	AO						Yes No
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/MH/ AF	67	Tanimori, H., et al., "Enzyme immunoassay of neocarzinostatin using β -galactosidase as label," J. Pharm. Dyn. 4:812-819, Pharmaceutical Society of Japan (1981)
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/MH/ AT	67	Tewari, R., et al., "Neutrophil Activation by Nascent FimH Subunits of Type I Fimbriae Purified from the Periplasm of Escherichia coli," J. Biol. Chem. 269:3009-3015, The American Society for Biochemistry and Molecular Biology, Inc. (1993)

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FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 1700.0130005/JAG/BJD/SJE	APPLICATION NO. 10/050,893
		APPLICANT RENNER et al.	
		FILING DATE January 18, 2002	GROUP 1645

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

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/MH/	AF	<u>68</u>	Tounissen, M.B.M., et al., "Interleukin-17 and Interferon-γ Synergize in the Enhancement of Proinflammatory Cytokine Production by Human Keratinocytes," J. Invest. Dermatol. 111:645-649, The Society for Investigative Dermatology, Inc. (1998)
/MH/	AS	<u>58</u>	Thanassi, D.G., et al., "The PapC usher forms an oligomeric channel: Implications for pilus biogenesis across the outer membrane," Proc. Natl. Acad. Sci. USA 95:3146-3151, National Academy Press (1998)
/MH/	AT	<u>68</u>	De Togni, P., et al., "Abnormal Development of Peripheral Lymphoid Organs in Mice Deficient in Lymphotoxin," Science 264:703-707, American Association for the Advancement of Science (1994)

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FORM PTO-1449 SECOND SUPPLEMENTAL <u>INFORMATION DISCLOSURE STATEMENT</u>		ATTY. DOCKET NO. 1700.0190005/JAG/BJD/SJE	APPLICATION NO. 10,050,898
		APPLICANT RENNER et al.	
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AR	<u>69</u>	Topchieva, I., and Karezin, K., "Self-Assembled Supramolecular Micellar Structures Based on Non-ionic Surfactants and Cyclodextrins," <i>J. Colloid Interface Sci.</i> 213:29-35, Academic Press (1999)
/MH/	AS	<u>59</u>	Twomey, T., et al., "Structure and immunogenicity of experimental foot-and-mouth disease and poliomyelitis vaccines," <i>Vaccine</i> 13:1603-1610, Elsevier Science, Ltd. (1995)
/MH/	AT	<u>59</u>	Ulrich, R., et al., "Core particles of hepatitis B virus as carrier for foreign epitopes," <i>Adv. Virus Res.</i> 50:141-182, Academic Press (1998)

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		APPLICANT RENNER et al.	
		FILING DATE January 13, 2002	GROUP 16:15

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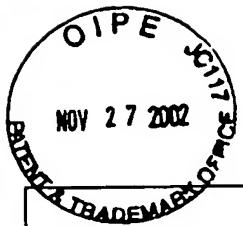
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

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/MH/	AR	70	Vicari, A.P., et al., "Antitumor Effects of the Mouse Chemokine 6CKine/SLC Through Angiostatic and Immunological Mechanisms," <i>J. Immunol.</i> 165:1992-2000, The American Association of Immunologists (August 2000)
/MH/	AS	70	Visintin, M. et al., "Selection of antibodies for intracellular function using a two-hybrid <i>in vivo</i> system," <i>Proc. Natl. Acad. Sci. USA</i> 96:11723-11728, National Academy Press (1999)
/MH/	AT	70	Walse, B., et al., "Transferred nuclear Overhauser effect spectroscopy study of a peptide from the PapG pilus subunit bound by the <i>Escherichia coli</i> PapD chaperone," <i>FEBS Lett.</i> 412:115-120, Elsevier Science B.V. (1997)

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	AL						Yes No
	AM						Yes No
	AI						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AF	71	Warnes, A., et al., "Expression of the measles virus nucleoprotein gene in <i>Escherichia coli</i> and assembly of nucleocapsid-like structures," <i>Gene</i> 160:173-178, Elsevier Science B.V. (1995)
/MH/	AS	71	Watson, E., et al., "Structure determination of the intact major sialylated oligosaccharide chains of recombinant human erythropoietin expressed in Chinese hamster ovary cells," <i>Glycobiology</i> 4:227-237, Oxford University Press (1994)
/MH/	AT	71	Wei, Y.Q., et al., "Immunotherapy of tumors with xenogeneic endothelial cells as a vaccine," <i>Nat. Med.</i> 6:1160-1166, Nature Publishing Company (October 2000)

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FORM PTO-1449

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	AM						Yes No
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/MH/	AF.	<u>72</u>	Witherell, G.W., and Uhlenbeck, O.C., "Specific RNA Binding by Q β Coat Protein," <i>Biochemistry</i> 28:71-76, American Chemical Society (1989)
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/MH/	AT	<u>72</u>	Wu, Q., et al. "Reversal of Spontaneous Autoimmune Insulitis in Nonobese Diabetic Mice by Soluble Lymphotoxin Receptor," <i>J. Exp. Med.</i> 193:1327-1332, The Rockefeller University Press (June 2001)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
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/MH/	AR	<u>73</u>	Wuttke, M., et al., "Structural Characterization of Human Recombinant and Bone-derived Bone Sialoprotein," J. Biol. Chem. 276:36839-36848, The American Society for Biochemistry and Molecular Biology, Inc. (2001)
/MH/	AS	<u>73</u>	Wynne, S.A., et al., "The Crystal Structure of the Human Hepatitis B Virus Capsid," Mol. Cell 3:771-780, Cell Press (1999)
/MH/	AT	<u>73</u>	Xiong, C., et al., "Sindbis Virus: An Efficient, Broad Host Range Vector for Gene Expression in Animal Cells," Science 243:1186-1191, American Association for the Advancement of Science (1989);

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	AM						Yes No
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	AO						Yes No
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/MH/	AT	7-1	Yone, K., et al., "Epitopic Regions for Antibodies against Tumor Necrosis Factor α ," J. Biol. Chem. 270:19509-19515, The American Society for Biochemistry and Molecular Biology, Inc. (1995)

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AP							Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/MH/	AR	75	Yuan, T-T., et al., "Subtype-Independent Immature Secretion and Subtype-Dependent Replication Deficiency of a Highly Frequent, Naturally Occurring Mutation of Human Hepatitis B Virus Core Antigen," J. Virol. 73:10122-10128, American Society for Microbiology (1999)
/MH/	AS	75	Sang, M., et al., "Production of Recombinant Proteins in Chinese Hamster Ovary Cells Using A Protein-Free Cell Culture Medium," Bio/Technology 13:389-392, Nature Publishing Company (1995)
/MH/	AT	75	Shou, S., and Standring, D.N., "Cys Residues of the Hepatitis B Virus Capsid Protein Are Not Essential for the Assembly of Viral Core Particles but Can Influence Their Stability," J. Virol. 66:5393-5398, American Society for Microbiology (1992)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTC-1449 SECOND SUPPLEMENTAL <u>INFORMATION DISCLOSURE STATEMENT</u>		ATTY. DOCKET NO. 1700.0130005/JAG/BJD/SJE	APPLICATION NO. 10/050,898
		APPLICANT RENNER et al.	
		FILING DATE January 18, 2002	GROUP 1645

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AJ						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

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/MH/	AF	76	Zimmermann, N., et al., "Murine Eotaxin-2: A Constitutive Eosinophil Chemoattractant Induced by Allergen Challenge and IL-4 Overexpression," <i>J. Immunol.</i> 165:5839-5846, The American Association of Immunologists (November 2000)
/MH/	AS	76	Ziolkowska, M., et al., "High Levels of IL-17 in Rheumatoid Arthritis Patients: IL-15 Triggers In Vitro IL-17 Production Via Cyclosporin A-Sensitive Mechanism," <i>J. Immunol.</i> 164:2832-2838, The American Association of Immunologists (March 2000)
/MH/	AT	75	Zuercher, A.W., et al., "Oral anti-IgE immunization with epitope-displaying phage," <i>Eur. J. Immunol.</i> 30:128-135, Wiley-Vch Verlag GmbH (January 2000)

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FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT			ATTY. DOCKET NO. 1700.0190005/JAG/BJD/SJE		APPLICATION NO. 10/050,898		
			APPLICANT RENNER et al.				
			FILING DATE January 18, 2002		GROUP 1615		
U. S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	A2						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
/MH/	AF	77	Copy of co-pending U.S. Application No. 09/449,631, inventors Renner et al., filed November 30, 1999.				
/MH/	AS	77	Copy of co-pending U.S. Application No. 10/050,902, inventors Renner et al., filed January 18, 2002.				
/MH/	AT	77	Fehr, T., et al., "T cell-independent type I antibody response against B cell epitopes expressed repetitively on recombinant virus particles," Proc. Natl. Acad. Sci. USA 95:9477-9481, National Academy Press (1998)				
EXAMINER				DATE CONSIDERED			
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FORM PTO-1449 SECOND SUPPLEMENTAL <u>INFORMATION DISCLOSURE STATEMENT</u>		ATTY. DOCKET NO. 1700.D190005/JAG/BJD/SJE	APPLICATION NO. 10'050,893
		APPLICANT RENNER et al.	
		FILING DATE January 18, 2002	GROUP 1645

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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	AE						
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	AT						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

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/MH/	AR	78	Frenkel, D., et al., "Generation of auto-antibodies towards Alzheimer's disease vaccination," Vaccine 19:2615-2619, Elsevier Science, Ltd. (March 2001)
/MH/	AS	78	International Search Report for International Application No. PCT/IB02/00166 mailed on October 29, 2002.
/MH/	AT	78	International Search Report for International Application No. PCT/IB02/00168 mailed on November 4, 2002.

EXAMINER /Michelle Horning/ DATE CONSIDERED 05/24/2007

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